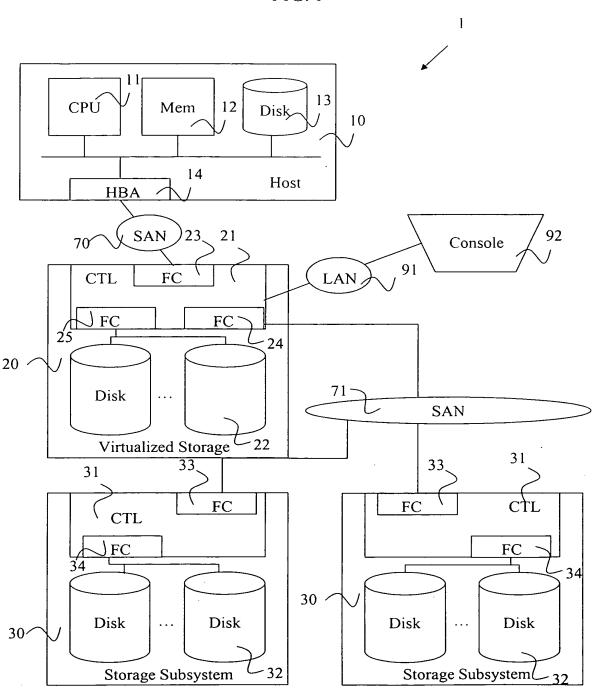
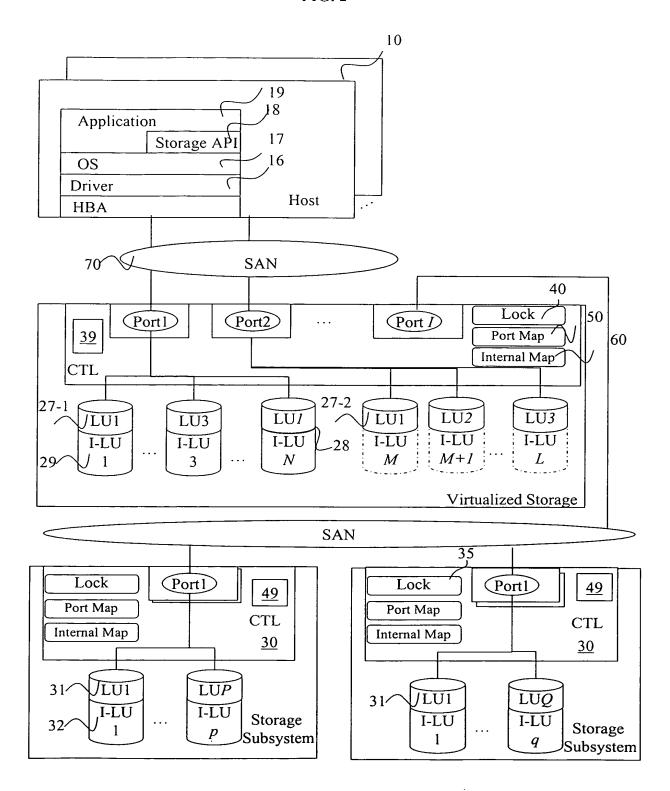
Steve Y. Cho, Reg. No. 44,612, (650) 326-2400
Titled: Method and Apparatus for Multistage Volume Locking
Inventor: Yoshiki Kano Filed: March 29, 2004
Dckt. No. 16869B-098400US
Sheet 1 of 10

FIG. 1



Steve Y. Cho, Reg. No. 44,612, (650) 326-2400
Titled: Method and Apparatus for Multistage Volume Locking
Inventor: Yoshiki Kano Filed: March 29, 2004
Dckt. No. 16869B-098400US
Sheet 2 of 10

FIG. 2



Steve Y. Cho, Reg. No. 44,612, (650) 326-2400 Titled: Method and Apparatus for Multistage Volume Locking
Inventor: Yoshiki Kano Filed: March 29, 2004
Dckt. No. 16869B-098400US
Sheet 3 of 10

FIG. 3A

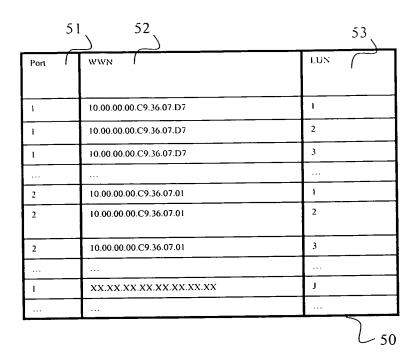


FIG. 3B

		J. J.		
	61	62		63
Internal LUN	WWN for Sto	rage Subsystem	External LUN	7
\sim $\frac{1}{1}$	-			
1/2	-		-	
\int_{1}^{2}				
· · · ·				
М	10.00.00.00.0	C9.36.07.AD	0	
M+1	10.00.00.00.0	C9.36.07.AD	1	
N	10.00.00.00.0	C9.36.07.AD	2	
√ ^L	10.00.00.00.0	C9.36.07.EC	Q	

Steve Y. Cho, Reg. No. 44,612, (650) 326-2400
Titled: Method and Apparatus for Multistage Volume Locking
Inventor: Yoshiki Kano Filed: March 29, 2004
Dckt. No. 16869B-098400US
Sheet 4 of 10

43 41 42 Internal LUN Permission Remain retention time 45 1 Read-only 6 year 2 Forever Read-only 47 Read/Write _ Μ M+1 Ν -... L **- 40**

FIG. 3C

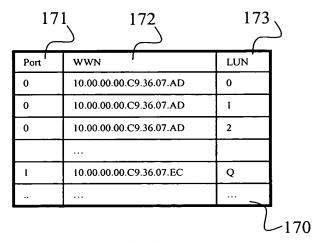


FIG. 4A

Steve Y. Cho, Reg. No. 44,612, (650) 326-2400
Titled: Method and Apparatus for Multistage Volume Locking
Inventor: Yoshiki Kano Filed: March 29, 2004
Dckt. No. 16869B-098400US
Sheet 5 of 10

FIG. 4B

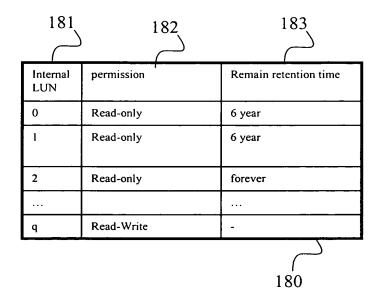
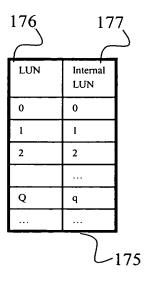
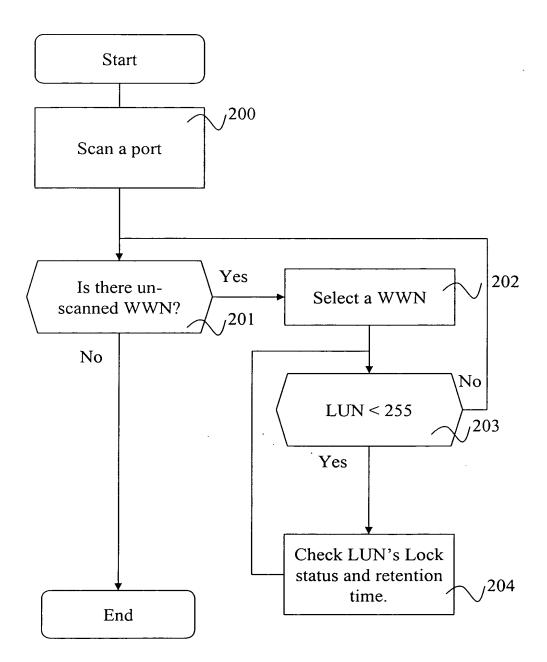


FIG. 4C



Steve Y. Cho, Reg. No. 44,612, (650) 326-2400
Titled: Method and Apparatus for Multistage Volume Locking
Inventor: Yoshiki Kano Filed: March 29, 2004
Dckt. No. 16869B-098400US
Sheet 6 of 10

FIG. 5



Steve Y. Cho, Reg. No. 44,612, (650) 326-2400
Titled: Method and Apparatus for Multistage Volume Locking
Inventor: Yoshiki Kano Filed: March 29, 2004
Dckt. No. 16869B-098400US
Sheet 7 of 10

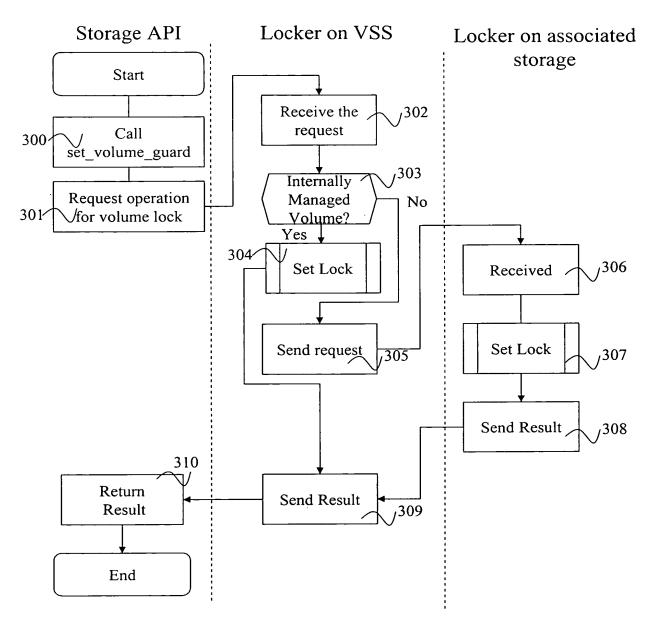


FIG. 6

Steve Y. Cho, Reg. No. 44,612, (650) 326-2400
Titled: Method and Apparatus for Multistage Volume Locking
Inventor: Yoshiki Kano Filed: March 29, 2004
Dckt. No. 16869B-098400US
Sheet 8 of 10

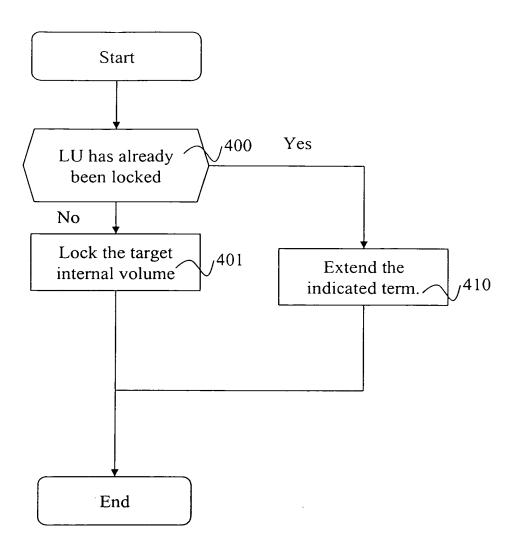


FIG. 7

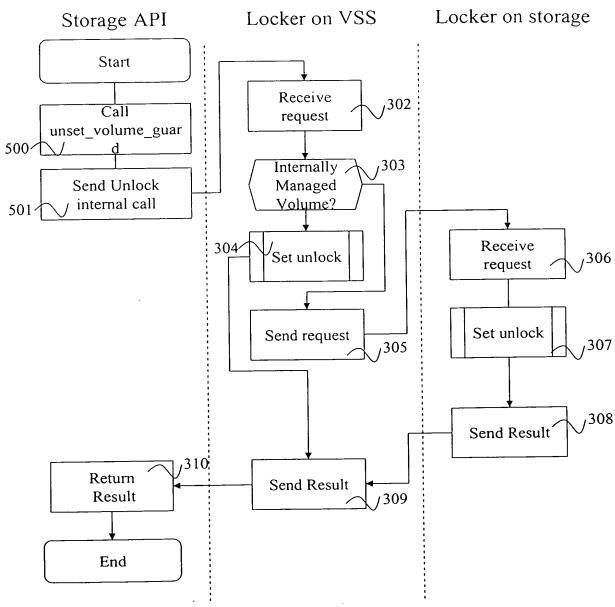


FIG. 8

Steve Y. Cho, Reg. No. 44,612, (650) 326-2400
Titled: Method and Apparatus for Multistage Volume Locking
Inventor: Yoshiki Kano Filed: March 29, 2004
Dckt. No. 16869B-098400US
Sheet 10 of 10

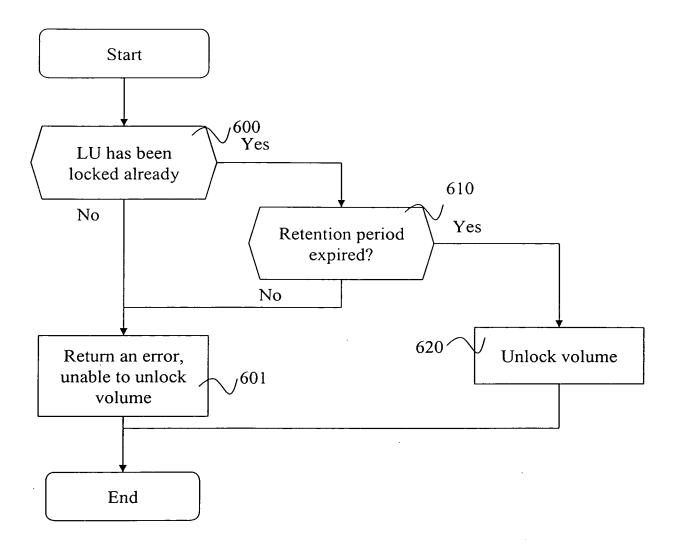


FIG. 9